	Document ID Issue Date Pac	Issue Date	Pages	Title	Current OR	Current OR Current XRef	Retrieval Classif
<del>-</del>	US 6037179 A 20000314 14	20000314	41	Method and apparatus for suppression of analyte diffusion in an ionization detector	436/52	422/103; 422/83; 436/153; 436/174; 436/181	
7	US 5153519 A 19921006 11	19921006	11	High voltage spark excitation and ionization detector system	324/464	324/123R; 324/449; 73/28.02	
ო	US 4975648 A 19901204   6	19901204		Discharge ionization detector	324/464	315/111.11; 315/111.91; 324/459	

L Number	Hits	Search Text	DB	Time stamp
2	49	("6029631" "6111740" "4855566" "4905251" "6328016"	USPAT;	2002/07/31 08:43
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4	69710	ioniz\$5	USPAT;	2002/07/31 08:43
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5	47	(("6029631" "6111740" "4855566" "4905251" "6328016"	USPAT;	2002/07/31 08:43
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		ioniz\$5) and spark		
7	40	(((("6029631" "6111740" "4855566" "4905251" "6328016"	USPAT;	2002/07/31 08:45
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		ioniz\$5) and spark) and electrode		
8	16	(((("6029631" "6111740" "4855566" "4905251" "6328016"	USPAT;	2002/07/31 09:07
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		ioniz\$5) and spark) and transformer		
9	232	(324/464).CCLS.	USPAT;	2002/07/31 08:51
	202		US-PGPUB	
	1	1	, 55 . 5. 55	I

10	0	((((("6029631" "6111740" "4855566" "4905251" "6328016"	USPAT;	2002/07/31 08:51
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		((324/464).CCLS.)		
11	4556	ionization NEAR2 detect\$3	USPAT;	2002/07/31 09:07
12	12	(("6029631" "6111740" "4855566" "4905251" "6328016"	US-PGPUB USPAT:	2002/07/31 09:08
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		"4317067" "4556981" "4837773" "4897577" "5444334"		
		"5465030" "5854732" "6172468" "5282108" "6126435"		
		"4804846" "5180983" "5293130" "5675072" "5444596"		
		"5663864" "3814950" "4151446" "4369776" "4390771"		
		"4476366" "4868546" "4994716" "5502354").pn.) and	:	
		(ionization NEAR2 detect\$3)		
13	2	((((("6029631" "6111740" "4855566" "4905251" "6328016"	USPAT;	2002/07/31 09:08
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		"4317067" "4556981" "4837773" "4897577" "5444334"		
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		ioniz\$5) and spark) and transformer) and ((("6029631"		
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L Number	Hits	Search Text	DB	Time stamp
1	1519	((324/464-470) or (73/23.22-23.27) or (73/23.35-23.42) or	USPAT;	2002/07/31 09:29
		(73/35.08)).CCLS.	US-PGPUB	
2	5187	ionization ADJ (chamber OR detector)	USPAT;	2002/07/31 09:48
			US-PGPUB	
3	236	(((324/464-470) or (73/23.22-23.27) or (73/23.35-23.42) or	USPAT;	2002/07/31 09:30
		(73/35.08)).CCLS.) and (ionization ADJ (chamber OR	US-PGPUB	
		detector))		
4	906	transformer SAME electrode SAME spark	USPAT;	2002/07/31 09:51
			US-PGPUB	
5	2	(((((324/464-470) or (73/23.22-23.27) or (73/23.35-23.42) or	USPAT;	2002/07/31 09:31
		(73/35.08)).CCLS.) and (ionization ADJ (chamber OR	US-PGPUB	
		detector))) and (transformer SAME electrode SAME spark)		0000/07/04 00 40
6	3474	ionization ADJ (chamber OR detector)	EPO; JPO;	2002/07/31 09:48
			DERWENT;	
			IBM_TDB	0000/07/04 00:57
9	537	transformer AND electrode AND spark	EPO; JPO;	2002/07/31 09:57
			DERWENT;	
	_	(1 ) (1 ) (2 ) (1 ) (2 ) (1 ) (2 ) (1 ) (2 ) (1 ) (2 ) (2	IBM_TDB	2002/07/31 09:56
10	0	(ionization ADJ (chamber OR detector)) and (transformer	EPO; JPO;	2002/07/31 09.50
		AND electrode AND spark)	DERWENT;	
		AND Lester to	IBM_TDB	2002/07/31 09:57
11	12561	transformer AND electrode	EPO; JPO; DERWENT;	2002/07/31 09.57
			IBM TDB	
	40	(in minution AD I (show her OD detector)) AND (transformer	EPO; JPO;	2002/07/31 09:57
12	12	(ionization ADJ (chamber OR detector)) AND (transformer	DERWENT;	2002/07/31 09.37
		AND electrode)	IBM TDB	
42	4	1984-011710.NRAN.	DERWENT	2002/07/31 10:04
13		1304-011710.14KAN.	1 DELIVATIAL	1 2002/07/01 10:04

	Decument	Issue Date	Pages	Title	Current OR	Current XRef
τ-	EP 99776 A	19840105	15	Arc-initiated ionisation detector with feedback circuit - indicates rate of ion recombination as function of particle mobility to signal presence of smoke		
	US 4090308 A 19780523	19780523	Ø	Method and apparatus for signalling concentration of air conveyed ionizable 34/478 foreign matter	34/478	324/464; 324/71.1; 34/79; 34/89; 55/DIG.36; 95/25; 96/399
т	US 5914604 A 19990622	19990622	7	Circuit arrangement for measuring an ion current in a combustion chamber of 324/399 an internal combustion engine	324/399	324/393; 324/402; 73/35.08
4	US 6292105 B 20000706	20000706	21	Temperature sensor for arc fault detector, has alarm which is triggered when potential of collector electrode in chamber is reduced below reference voltage due to imbalance of ionization current in chamber		

Inventor		Stuck, Robert M.	Bahr, Ulrich et al.	EDDINS, C L et al.
Retrieval Classif				·
	_	7	က	4